

C l a i m s

1. A method of determining a quality measure of a position measurement method for a cellular telecommunication network, the method comprising the steps of:
 - identification of a first measurement area having at least a predefined number of neighbouring first cells, the first measurement area belonging to a selected class of measurement areas,
 - defining of first sub-areas in the first measurement area by applying a predefined grid on the first measurement area,
 - performing position measurements by means of the position measurement method in at least a sub-set of the first sub-areas,
 - determining of measurement errors for the position measurements,
 - determining of the quality measure based on the measurement errors.
2. The method of claim 1, whereby the first class is defined by a minimum first size of the first cells and further comprising:
 - identification of a second measurement area having at least the predefined number of neighbouring second cells, each one of the second cells having a maximum second size, whereby the second size is smaller than the first size,
 - defining of second sub-areas in the second measurement area by applying a second predefined grid on the second measurement area,
 - performing position measurements by means of the position measurement method in at least a sub-set of the second sub-areas.
3. The method of claim 1, further comprising selecting of at least a predefined fraction of the first and second sub-areas for the subset and performing a specified minimum number of position measurements per sub-area.
4. The method of claim 1, further comprising

- identification of at least an additional third measurement area having the predefined number of neighbouring third cells, the third cells having at least a third intermediary size between the first size and the second size,
 - defining of third sub-areas in the third measurement area by applying a third predefined grid on the third measurement area,
 - providing a measurement route for each one of the measurement areas, each one of the measurement routes having a length of a multiple of the square root of the respective measurement area.
5. The method of claim 4, each one of the measurement routes having measurement route segments which are about evenly distributed in the respective measurement area.
6. The method of claim 4, the position measurements being performed at equidistant points of time or distance while travelling along the measurement route.
7. The method of claim 4, further comprising providing a speed profile for performing of the position measurements when travelling along the measurement route.
8. The method of claim 1, further comprising defining a set of position measurement conditions and performing of the position measurements under all of the position measurement conditions in the measurement areas.
9. A computer program product, in particular digital storage medium, for planning of position measurements for the purpose of determining a quality measure of a position measurement method for a cellular telecommunication network, comprising program means for performing the steps of:
- accessing of cartographic and network topology data for the cellular telecommunication network,
 - identification of a first measurement area having at least a predefined number of neighbouring first cells, the first cells having at least a first size,

the identification being performed on the basis of the cartographic and/or network topology data,

- defining of first sub-areas in the first measurement area by applying a predefined grid on the first measurement area,
- identification of a second measurement area having at least the predefined number of neighbouring second cells, each one of the second cells having a maximum second size, whereby the second size is smaller than the first size, the identification being performed on the basis of the cartographic and/or network topology data,
- defining of second sub-areas in the second measurement area by applying a second predefined grid on the second measurement area,
- providing a measurement plan for the first and second measurement areas.

10. A computer system for planning and/or optimisation of a cellular telecommunication network, the computer system comprising:

- means for providing cartographic and network topology data of the cellular telecommunication network,
- means for identification of a first measurement area having at least a predefined number of neighbouring first cells, the first cells having at least a first size, the identification being performed on the basis of the cartographic and/or network topology data,
- means for defining of first sub-areas in the first measurement area by applying a predefined grid on the first measurement area,
- means for identification of a second measurement area having at least the predefined number of neighbouring second cells, each one of the second cells having a maximum second size, whereby the second size is smaller than the first size, the identification being performed on the basis of the cartographic and/or network topology data,
- means for defining of second sub-areas in the second measurement area by applying a second predefined grid on the second measurement area,

- means for providing a measurement plan for the first and second measurement areas.